

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system626, 1.8i CAT1992 to 1997

Type		FP DOHC 16V 77kW
Capacity (cm³) / number of cylinders		1840 / 4
Compression ratio / pressure	bar	9.0 / ≥8.4
Oil pressure	bar	[3.9 to 4.9]
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	0.9 to 1.2

Fuel system626, 1.8i CAT1992 to 1997

Idle speed - manual [auto]	rpm	725±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Mazda
Type / ref		EGI MPI
Main jet / needle		—
Injection pressure	bar	2.0 to 3.2
Pump pressure	bar	4.5 to 6.5
Octane rating	RON	95[U]

Ignition system626, 1.8i CAT1992 to 1997

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.64 to 0.96
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12±1 BTDC @ 725±50
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK
Type		BKR5E-11
Electrode gap	mm	1.00 to 1.10

Electrical system626, 1.8i CAT1992 to 1997

Battery	V / CC / RC	12 / 60, 65Ah
Alternator voltage / full load current / engine rpm		14.4 to 14.7 / 80 / 2000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear626, 1.8i CAT1992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	185/65x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±3.0
Camber		+2°37'±45'
Castor		-36'±45'
King pin inclination		+15°4'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±3.0
Camber		-20'±45'

Torque wrench settings626, 1.8i CAT1992 to 1997

Cylinder head - stage 1	Nm	17 to 22
- stage 2	Nm	+ 85 to 95°
Cylinder head - stage 3	Nm	+ 85 to 95°
- stage 4	Nm	—
Big-end bearings	Nm	22 to 27 +85 to 95°
Main bearings	Nm	17 to 22 +85 to 95°
Clutch cover	Nm	18 to 26
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319 N
Rear hubs	Nm	177 to 235 N
Wheel nuts / bolts	Nm	89 to 117
Spark plugs	Nm	15 to 23

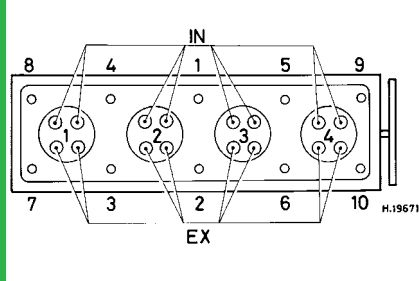
Capacities626, 1.8i CAT1992 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	6.3
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	60

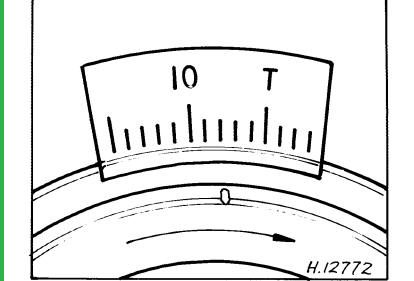
Notes and Illustrations



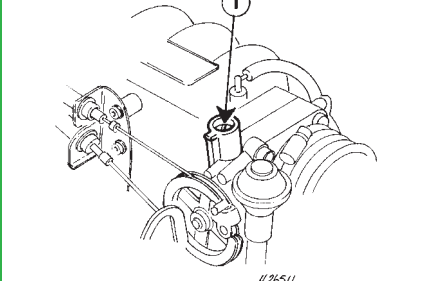
1: Idle speed 2: CO / Mixture



1840 cm³



1840 cm³



EGI, 1840 cm³